

CLEAN COPY

26. A method of eradicating insects comprising the steps of,
providing a liquid solution consisting essentially of at least one surfactant
dissolved in said liquid,
placing the liquid solution of the surfactant in a dispensing container,
expelling the solution from the container as a spray or aerosol,
applying the spray or aerosol onto the surface of an insect pest to thereby
envelope the insect in a film of the solution so as to reduce the surface tension at
the outer layer of the insect's chitinous exoskeleton such that the solution coats
out on to the insect blocking spiracles through which the insect breaths sufficient
to interfere with respiration thereby killing the insect.
27. The method of claim 26 including the step of providing as said liquid an
aqueous solution.
28. The method of claim 26 including the step of providing as said liquid a non-
aqueous solution.
29. The method of claim 26 including the step of providing a thickener in said
solution for increasing the viscosity of said liquid solution *such* that the film is

deposited on the insect as a thicker layer.

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30. The method of claim 29 including the step of providing as said thickener at least one member selected from the group consisting of a carbohydrate, a water dispersible cellulosic, an oil emulsion, a protein, and a water soluble or water dispersible synthetic polymer.

31. The method of claim 26 including the step of providing as said surfactant, a surfactant having a hydrophil/lipophil balance between about 4 and 17.

32. The method of claim 26 including the step of providing as said surfactant a plurality of different surfactants.

33. The method of claim 26 including the step of providing in said liquid a source of biocompatible cations selected from the group consisting of potassium, sodium, calcium, magnesium, water soluble borate and copper.

34. The method of claim 26 including the steps of providing an insect detection means,

detecting the presence of an insect thereby and spraying the solution of the liquid in said dispensing container on to the

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insect responsive to the presence of the insect thus detected.

35. The method of claim 34 wherein the sound of the insect is detected.